AUTHOR INDEX

Abid, M., 544
Adachi, H., 109
Akashi, K., 585
Akashi, T., 585
Al-Attas, O. S., 52
Al-Daghri, N. M., 52
Al-Rubeaan, K., 52, 137
Al-Saud, H., 137
Al-Saud, N. A., 137
Albarracin, C. A., 41
Aldaghri, N., 137
Allen, K. V., 247
Allet, L., 173
Alsmadi, O., 137
Altomare, M., 364
Andersson, C. X., 595
Andreozzi, F., 130
Apelqvist, J., S110, S116, S119, S181, S188
Armand, S., 173
Armstrong, D. G., S81, S119, S162, S188, S192
Ayadi, H., 544

Bakker, K., S116, S119, S145, S162, S181, S188, S190, S192
Banasadegh, S., 64
Bathaie, S. Z., 64
Battezzati, A., 205
Berendt, A. R., S145, S190
Bergsten, P., 148
Bessesen, D. H., 33
Bevilacqua, N. J., S81
Birch, D. J. S., 604
Bitan, M., 413
Bonadonna, R. C., 130
Bonner-Weir, S., 585
Bonora, E., 130, 205, 624
Bonotti, A., 197
Boorsma, W., 611
Bouchard, C., 123
Boudawara, M., 544
Boulé, N. G., 123
Boulton, A. J. M., S3
Bouter, L. M., 611
Boyle, P. J., 257
Bristow, I., S84
Bucciarelli, T., 231
Bus, S. A., S90, S162, S192
Buschard, K., 59
Buzzetti, R., 511

Calderon, I. de M. P., 324
Caputo, S., 318
Caravaggi, C., S162, S192
Carrard, I., 192
Cavanagh, P. R., S162, S192
Ceriello, A., 14, 103, 301
Chakrabarti, S., 404
Chambouleyron, M., 192
Chan, C. B., 392
Chan, J. C. N., 238
Chang, Y.-H., 629
Chaput, J.-P., 123
Chen, S., 404
Cheng, J., 480
Chianelli, M., 115
Chiarelli, F., 570
Chibalin, A. V., 554
Chiellini, C., 155
Chiu, J., 404
Choi, M. S., 74
Choi, S.-B., 384
Chow, C.-C., 238
Ciabattoni, G., 231
Cockram, C. S., 238
Connor, H., S7
Consoli, A., 231
Corbould, A., 520
Corgnali, M., 103, 301
Cuccato, S., 197

D'Alessandria, C., 115
Damm, P., 465
Darsow, T., 103
Davì, G., 231
de Bie, R. A., 173
de Bruin, E. D., 173
De Filippis, E. A., 231
De Leiva, A., 511
De Mattia, G., 130
Deary, I. J., 247
Dekker, J. M., 611
Després, J.-P., 123, 141
Di Fulvio, P., 231
Di Stasio, E., 318, 364
Dias, A., 324
Doucet, E., 123
Doumas, M., 223
Du, Y., 480

Edmonds, M. E., S58
Elisaf, M., 223
Embil, J. M., S145, S190
Eneroth, M., S76, S145, S190
Evans, J. L., 41

Fatehi-Hassanabad, Z., 392
Feng, B., 404
Ferrannini, E., 197
Filippatos, T. D., 223
Fioriti, E., 364
Formoso, G., 231
Frias, J. P., 103
Frier, B. M., 87, 247, 353
Funda, D. P., 59
Fuqua, B. C., 41

Galettis, A., 294
Gallery, E. D. M., 294
Game, F., S72
Game, F. L., S119, S188
Gannon, M. C., 438
Gazi, I. F., 223
Geloneze, B., 324
Gentilucci, U. V., 364
Ghirlanda, G., 318
Giani, G., 211
Giannini, C., 570
Golay, A., 173, 192
Goldfine, I. D., 41
Górska, M., 310
Granier, C., 544
Greve, A., 247
Guglielmi, C., 364
Guo, Z. J., 459
Gustafson, B., 595

Hadden, D., 511
Hamamoto, Y., 585
Hammarstedt, A., 595
Hamza, N., 544
Harper, M.-E., 392
Hartemann-Heurtier, A., S119, S188
Hassan, M. Z., 64
Hedjazifar, S., 595
Heidland, A., 371
Heine, R. J., 611
Herder, C., 427
Herzig, P., 211
Hinchliffe, R. J., S119, S145, S188, S190
Hiraga, K., 486
Hiukka, A., 554
Hlaváček, P., S162, S192
Ho, C. S., 238
Honkanen, J., 635
Hossein-nezhad, A., 27
Hou, F. F., 459
Hsiao, P.-J., 629
Hsieh, M.-C., 629
Hu, J., 480
Huang, J., 533
Huang, T. H.-W., 498
Huijberts, M., S40
Huijberts, M. S. P., S19
Hunter, S., 511

Ichsan, A. M., 486
Ihnat, M., 301
Imaizumi, T., 109
Imtiaz, F., 137
Inanami, O., 331
Inoue, H., 109
Isak, B., 563
Ishii, T., 331
Ishii, Y., 486
Iwasaki, H., 585

Jackson, C., 294
Jafarnejad, A., 64
Jansson, L., 165
Jarraya, F., 544
Jeffcoate, W. J., S62, S119, S145, S188, S190
Jokelainen, J., 378
Jörns, A., 577
Jovanovic, L., 324
Jung, U. J., 74

Kaas, A., 59
Kalman, R., 577
Kamikawa, A., 331
Karakucuk, V., 533
Karimi, F., 27
Kato, I., 486
Keinänen-Kiukaanniemi, S., 378
Kempf, K., 427
Khan, F., 604
Khazrai, Y. M., 364
Kim, D.-Y., 384
Kim, E.-J., 384
Kim, M. J., 74
Kim, M. S., 498
Kimura, K., 331
Kinalska, I., 310
Knapik-Kordecka, M., 549
Knip, M., 635
Ko, G. T. C., 238
Koistinen, H. A., 554
Kojima, K., 642
Kolb, H., 511
Kong, A. P. S., 238
Koo, J.-H., 384
Kostapanos, M. S., 223
Kostense, P. J., 611
Kumpusalo, E., 378
Kuoppamaa, H., 554
Kurita-Nakamura, Y., 109

Laakso, M., 378
Lagger, G., 192
Lai, E. Y., 165
Lam, C. W. K., 238
Larijani, B., 27
Lasserre-Moutet, A., 192
Lee, H., 384
Lee, J.-H., 384
Lee, M. K., 74
Lee, S.-M., 384
Lemieux, I., 141
Lenzen, S., 577
Leonetti, F., 130
Leslie, R. D. G., 511
Levitsky, L. L., 533
Li, Y., 498
Liang, M., 459
Lim, I.-J., 384
Lin, K.-D., 629
Lindegaard, M. L. S., 465
Lipsky, B. A., S66, S145, S190
Löndahl, M., S119, S188
Ludvigsson1, J., 472
Lush, C. W., 103
Luzi, L., 130, 205

Ma, R. C. W., 238
Mack, E., 577
Madec, S., 197
Maffei, M., 155
Maggs, D., 103
Maghbooli, Z., 27
Makni, K., 544
Makondo, K., 331
Manfrini, S., 364
Manto, A., 318
Marini, M. A., 130
Marshall, J. A., 33
Masiello, P., 155
Mather, S. J., 115
Mathiesen, E. R., 465
Matrougui, K., 651
Matsui, T., 109
Mauricio, D., 511
Mertens, I., 141
Meyer, B. F., 137
Mezzetti, A., 570
Michetti, N., 231
Mierzejewska-Iwanowska, B., 310

Copyright © 2008 John Wiley & Sons, Ltd.

AUTHOR INDEX

Abid, M., 544
Adachi, H., 109
Akashi, K., 585
Akashi, T., 585
Al-Attas, O. S., 52
Al-Daghri, N. M., 52
Al-Rubeaan, K., 52, 137
Al-Saud, H., 137
Al-Saud, N. A., 137
Albarracin, C. A., 41
Aldaghri, N., 137
Allen, K. V., 247
Allet, L., 173
Alsmadi, O., 137
Altomare, M., 364
Andersson, C. X., 595
Andreozzi, F., 130
Apelqvist, J., S110, S116, S119, S181, S188
Armand, S., 173
Armstrong, D. G., S81, S119, S162, S188, S192
Ayadi, H., 544

Bakker, K., S116, S119, S145, S162, S181, S188, S190, S192
Banasadegh, S., 64
Bathaie, S. Z., 64
Battezzati, A., 205
Berendt, A. R., S145, S190
Bergsten, P., 148
Bessesen, D. H., 33
Bevilacqua, N. J., S81
Birch, D. J. S., 604
Bitan, M., 413
Bonadonna, R. C., 130
Bonner-Weir, S., 585
Bonora, E., 130, 205, 624
Bonotti, A., 197
Boorsma, W., 611
Bouchard, C., 123
Boudawara, M., 544
Boulé, N. G., 123
Boulton, A. J. M., S3
Bouter, L. M., 611
Boyle, P. J., 257
Bristow, I., S84
Bucciarelli, T., 231
Bus, S. A., S90, S162, S192
Buschard, K., 59
Buzzetti, R., 511

Calderon, I. de M. P., 324
Caputo, S., 318
Caravaggi, C., S162, S192
Carrard, I., 192
Cavanagh, P. R., S162, S192
Ceriello, A., 14, 103, 301
Chakrabarti, S., 404
Chambouleyron, M., 192
Chan, C. B., 392
Chan, J. C. N., 238
Chang, Y.-H., 629
Chaput, J.-P., 123
Chen, S., 404
Cheng, J., 480
Chianelli, M., 115
Chiarelli, F., 570
Chibalin, A. V., 554
Chiellini, C., 155
Chiu, J., 404
Choi, M. S., 74
Choi, S.-B., 384
Chow, C.-C., 238
Ciabattoni, G., 231
Cockram, C. S., 238
Connor, H., S7
Consoli, A., 231
Corbould, A., 520
Corgnali, M., 103, 301
Cuccato, S., 197

D'Alessandria, C., 115
Damm, P., 465
Darsow, T., 103
Davì, G., 231
de Bie, R. A., 173
de Bruin, E. D., 173
De Filippis, E. A., 231
De Leiva, A., 511
De Mattia, G., 130
Deary, I. J., 247
Dekker, J. M., 611
Després, J.-P., 123, 141
Di Fulvio, P., 231
Di Stasio, E., 318, 364
Dias, A., 324
Doucet, E., 123
Doumas, M., 223
Du, Y., 480

Edmonds, M. E., S58
Elisaf, M., 223
Embil, J. M., S145, S190
Eneroth, M., S76, S145, S190
Evans, J. L., 41

Fatehi-Hassanabad, Z., 392
Feng, B., 404
Ferrannini, E., 197
Filippatos, T. D., 223
Fioriti, E., 364
Formoso, G., 231
Frias, J. P., 103
Frier, B. M., 87, 247, 353
Funda, D. P., 59
Fuqua, B. C., 41

Galettis, A., 294
Gallery, E. D. M., 294
Game, F., S72
Game, F. L., S119, S188
Gannon, M. C., 438
Gazi, I. F., 223
Geloneze, B., 324
Gentilucci, U. V., 364
Ghirlanda, G., 318
Giani, G., 211
Giannini, C., 570
Golay, A., 173, 192
Goldfine, I. D., 41
Górska, M., 310
Granier, C., 544
Greve, A., 247
Guglielmi, C., 364
Guo, Z. J., 459
Gustafson, B., 595

Hadden, D., 511
Hamamoto, Y., 585
Hammarstedt, A., 595
Hamza, N., 544
Harper, M.-E., 392
Hartemann-Heurtier, A., S119, S188
Hassan, M. Z., 64
Hedjazifar, S., 595
Heidland, A., 371
Heine, R. J., 611
Herder, C., 427
Herzig, P., 211
Hinchliffe, R. J., S119, S145, S188, S190
Hiraga, K., 486
Hiukka, A., 554
Hlaváček, P., S162, S192
Ho, C. S., 238
Honkanen, J., 635
Hossein-nezhad, A., 27
Hou, F. F., 459
Hsiao, P.-J., 629
Hsieh, M.-C., 629
Hu, J., 480
Huang, J., 533
Huang, T. H.-W., 498
Huijberts, M., S40
Huijberts, M. S. P., S19
Hunter, S., 511

Ichsan, A. M., 486
Ihnat, M., 301
Imaizumi, T., 109
Imtiaz, F., 137
Inanami, O., 331
Inoue, H., 109
Isak, B., 563
Ishii, T., 331
Ishii, Y., 486
Iwasaki, H., 585

Jackson, C., 294
Jafarnejad, A., 64
Jansson, L., 165
Jarraya, F., 544
Jeffcoate, W. J., S62, S119, S145, S188, S190
Jokelainen, J., 378
Jörns, A., 577
Jovanovic, L., 324
Jung, U. J., 74

Kaas, A., 59
Kalman, R., 577
Kamikawa, A., 331
Karakucuk, V., 533
Karimi, F., 27
Kato, I., 486
Keinänen-Kiukaanniemi, S., 378
Kempf, K., 427
Khan, F., 604
Khazrai, Y. M., 364
Kim, D.-Y., 384
Kim, E.-J., 384
Kim, M. J., 74
Kim, M. S., 498
Kimura, K., 331
Kinalska, I., 310
Knapik-Kordecka, M., 549
Knip, M., 635
Ko, G. T. C., 238
Koistinen, H. A., 554
Kojima, K., 642
Kolb, H., 511
Kong, A. P. S., 238
Koo, J.-H., 384
Kostapanos, M. S., 223
Kostense, P. J., 611
Kumpusalo, E., 378
Kuoppamaa, H., 554
Kurita-Nakamura, Y., 109

Laakso, M., 378
Lagger, G., 192
Lai, E. Y., 165
Lam, C. W. K., 238
Larijani, B., 27
Lasserre-Moutet, A., 192
Lee, H., 384
Lee, J.-H., 384
Lee, M. K., 74
Lee, S.-M., 384
Lemieux, I., 141
Lenzen, S., 577
Leonetti, F., 130
Leslie, R. D. G., 511
Levitsky, L. L., 533
Li, Y., 498
Liang, M., 459
Lim, I.-J., 384
Lin, K.-D., 629
Lindegaard, M. L. S., 465
Lipsky, B. A., S66, S145, S190
Löndahl, M., S119, S188
Ludvigsson1, J., 472
Lush, C. W., 103
Luzi, L., 130, 205

Ma, R. C. W., 238
Mack, E., 577
Madec, S., 197
Maffei, M., 155
Maggs, D., 103
Maghbooli, Z., 27
Makni, K., 544
Makondo, K., 331
Manfrini, S., 364
Manto, A., 318
Marini, M. A., 130
Marshall, J. A., 33
Masiello, P., 155
Mather, S. J., 115
Mathiesen, E. R., 465
Matrougui, K., 651
Matsui, T., 109
Mauricio, D., 511
Mertens, I., 141
Meyer, B. F., 137
Mezzetti, A., 570
Michetti, N., 231
Mierzejewska-Iwanowska, B., 310

Copyright © 2008 John Wiley & Sons, Ltd.

Milionis, H. J., 223
Mills Sr, J. L., S34
Mnif, F., 544
Mohamed, G., 137
Mohammad, S., 137
Mohn, A., 570
Monnin, D., 173
Morris, J., 294
Muggeo, M., 205, 624
Murray, M., 498
Musella, T., 318

Nakada, S., 486
Nakamura, K., 109
Nakhjavani, M., 64
Nanayakkara, N., 103
Nannipieri, M., 197
Natali, A., 130
Negrato, C. A., 324
Nelson, T. L., 33
Ngo, A., 438
Nicolucci, A., 231
Nielsen, L. B., 465
Nijpels, G., 611
Nikołajuk, A., 310
Nino-Fong, R., 392
Niv, M. Y., 577
Noh, Y.-H., 384
Nordquist, L., 165
Nordwall, M., 472
Novelli, M., 155
Nuttall, F. Q., 438

Oflazoğlu, B., 563
Okamoto, H., 486
Östenson, C.-G., 148
Oya, T., 486

Palen, D. I., 651
Pandolfi, A., 231
Pappo, O., 413
Parisella, M. G., 115
Park, S.-Y., 384
Persson, A. E. G., 165
Peters, E. J. G., S145, S190
Petrova, N. L., S58
Picardi, A., 364
Pickup, J. C., 604
Pickwell, K., S40
Piconi, L., 103, 301
Pitocco, D., 318
Piwowar, A., 549
Pocai, A., 155
Popławska-Kita, A., 310
Pozzilli, P., 115, 364, 511
Price, P. E., S101, S119, S188
Pusztai, P., 343

Qi, Y., 498
Qin, L., 480

Racz, K., 343
Rashid, I. B., 642
Raskin, P., 3
Rathmann, W., 427
Rebaï, A., 544
Reich, S., 413
Rekik, N., 544
Reuveni, H., 577
Rhoads, D. B., 533
Richard, D., 123
Rogers, L. C., S81
Romitelli, F., 318
Rong, X., 498
Rosenbauer, J., 211
Rudge, M. V. C., 324
Ruzicska, E., 343

Saito, M., 331
Sakane, N., 331
Saleh, M. C., 392
Sallam, R., 52
Saltevo, J., 378
Santini, E., 197
Santini, S. A., 318
Sarman, B., 343
Sarti, C., 511
Sasahara, M., 486
Saxl, T., 604
Schalkwijk, C. G., S19
Schaper, N. C., S19, S40, S116, S181
Scherbaum, W., 511
Schernthaner, G., 511
Schloot, N. C., 511
Schmid, U., 371
Schupp, N., 371
Senneville, E., S145, S190
Sesti, G., 130
Shafaei, A.-R., 27
Shafrir, E., 577
She, J.-X., 93
Shen, M., 480
Shigematsu, H., 585
Shimada, K., 331
Shimada, Y., 486
Shin, S.-J., 629
Shiu, S. W. M., 617
Shoji, M., 642
Sibbald, R. G., S25
Siewko, K., 310
Signore, A., 115
Sihvo, M., 554
Sjöquist, M., 165
Skarsvik, S., 635
Skrobuk, P., 554
Slavin, S., 413
Smith, U., 595
So, W. Y., 238
Solini, A., 197
Sommerfield, A. J., 247
Somogyi, A., 343
Steinmetz, A., 286
Stopper, H., 371
Suda, T., 642
Sugimoto, K., 642
Sundsten, T., 148
Suzuki, H., 486
Svarrer, E. M. M., 465
Szczecińska, J., 549
Szelachowska, M., 310

Takasawa, K., 486
Takasawa, S., 486
Takeuchi, M., 109
Tamasawa, N., 642
Tambascia, M. A., 324
Tan, K. C. B., 617
Tanabe, J., 642
Tanrıdag, T., 563
Targher, G., 205, 624
Tavazzi, B., 318
Teh, J., S145, S190
Thivolet, C., 511
Tlaskalová-Hogenová, H., 59
Tobe, K., 486
Toke, J., 343
Tong, P. C. Y., 238
Tremblay, A., 123
Trombetta, M., 624
Tselepis, A. D., 223
Tsimihodimos, V., 223
Tulassay, Z., 343
Twigg, S. M., 294

Unwin, N., S31
Us, O., 563

Vaarala, O., 635
Valk, G. D., S119, S145, S162, S188, S190, S192
van Deursen, R., S96
van Deursen, R. W., S162, S192
Van Gaal, L. F., 141
van Houtum, W. H., S1, S14, S76, S116, S119, S181, S188
van Schie, C. H. M., S45
Vanhala, M., 378
Verlato, G., 624
Verrijken, A., 141
Verrotti, A., 570
Vettor, R., 130
Visalli, N., 115
Vlodavsky, I., 413
Vyt, A., S106

Wadowska, D. W., 392
Wakil, S. M., 137
Wang, C.-L., 629
Wang, C.-Y., 93
Wang, G. B., 459
Wang, J., 480
Wang, J.-H., 384
Wang, R., 392
Warren, R. E., 247
Warwas, M., 549
Weir, G. C., 585
Weiss, L., 413
Williams, R., 511
Wong, V., 238
Wong, Y., 617
Woo, K. Y., S25
Wright, G. M., 392
Wright, R. J., 353
Wu, X., 480

Xie, L., 294
Xu, B., 404
Xu, K. Z.-Y., 498

Yamagishi, S.-i., 109
Yamahara, J., 498
Yang, X., 238
Yasujima, M., 642
Yatoh, S., 585
Yderstraede, K., 511
Yeo, J., 74
Yitmen, I., 563
Yoshida, T., 331

Zaccardi, F., 318
Zeira, M., 413
Zhang, X., 459
Zhi, Z.-L., 604
Zhou, H., 617
Zhou, J., 480
Zhou, L., 480
Zhou, Q. G., 459
Ziegler, D., S52
Zierath, J. R., 554
Ziv, E., 577
Zoppini, G., 205, 624
Zrebiec, J., 257
Zuppi, C., 318

Copyright © 2008 John Wiley & Sons, Ltd.

KEYWORD INDEX

abdominal fat, 33
acarbose, 611
activated lymphocytes, 115
adherence, S101
adhesion molecule, 294
adipocytokines, 52
adipokines, 642
adiponectin, 378, 554
adiponectin receptors, 554
adipose tissue, 595
adolescents, 427
advanced glycation end products, 371, S19
AGE, 549
age at onset of diabetes, 511
AGEs, 109
Akt, 554
albumin, 148
albuminuria, 629
all-cause mortality, 238
alternative splicing, 533
AMPK, 554
amputation, S3
androgens, 520
angioplasty, S34
animal model, 486
anti-atherogenic, 14
anti-inflammatory, 14
antibiotics, S145
antimicrobial therapy, S66
antioxidant capacity, 64
AOPP, 549
AP-1, 93
apolipoprotein C3, 148
apoptosis, 93
association, 93, 137, 544
atheroma, 294
atherosclerosis, 109, S19
ATP synthase, 392
ATP-binding cassette transporter A1, 617
autoimmunity, 93
autonomic neuropathy, 563

behavioural test, 642
beta-cell function, 611
beta-cell lesion prevention, 577
BHE/cdb rat, 392
biotin, 41
birth weight, 211
body weight, 123
bone marrow, 585
bypass, S34

Ca^{2+}/calmodulin-dependent protein kinase II, 486
β-cell mass, 392
β-cells, 585
C-peptide, 165, 331, 472
C-reactive protein, 378
cardiovascular disease, 286
cardiovascular risk factors, 130
case–control study, 211
casting, S58
CD40 ligand, 570
cellular dysfunction, S25
Charcot neuro-osteoarthropathy, S40
chemical chaperone, 64
children, 427, 472
Chinese, 238
cholesterol efflux, 617
chromium, 41
circulation, 165
coagulation, 353
collaboration, S106
collagen, 498
collagen type 1, 651
complications, S84
consensus, S116
consolidation, 247
continuous subcutaneous insulin infusion (CSII), 384
cost-effectiveness, S31
critical limb ischaemia, S34
CRP, 465
cutaneous, S84
cytokines, 93, 413

daidzein, 74
debridement, S76
decreased host resistance, S25
developing countries, S31
development of global guidelines, S116
dexamethasone, 155
diabetes, 41, 109, 165, 173, 247, 353, 364, 427, 465, 498, 585, S119
diabetes mellitus, 310, 472
diabetes prevention, 577
diabetes therapy, 64
diabetic, 192, S192
diabetic complications, 64, 371
diabetic foot, S119
diabetic foot disease, S19
diabetic foot infection, S66
diabetic foot ulcer, S25
diabetic nephropathy, 310, 570, 617
diabetic neuropathy, S3
diabetic peripheral neuropathy, S45
diagnosis, S145
diagnosis of infection, S66
diet, 59
1,25-dihydroxyvitamin D and myotube, 459
DNA damage, 371
dressings, S119
driving, 87
DXA, 33
dyslipidaemia, 384

E23k polymorphism, 137
early intervention, 286
education, S101
elderly, 624
endothelial cells, 301
endothelin-1, 404
energy homeostasis, 343
eNOS, 331
environmental factors, 59, 211
epidemiology, 427, S14
ethnic differences, 33
extracellular matrix, 197

fall, 173, S45
familial type 1 diabetes, 211
fear of hypoglycaemia, 87
fenofibrate, 286
fibrinogen, 141
fibronectin, 404
Filipinos, 364
fluorescence, 604
foetal liver, 585
food intake, 155
foot, S81
foot deformity, S90
foot structure, S90
foot ulcer, S40
foot ulcers, S110
footwear, S192
footwear prescription, S90
fracture, S58
free fatty acid, 205, 459
free fatty acids, 155
free radicals, 14
functional imaging, 247

GADA, 511
gait, 173
GCT, 27
GDM, 27
gene, 498
genetic heterogeneity, 93
genistein, 74
gestational diabetes, 324
GFR, 629
ghrelin, 343
glucose, 41
glucose metabolism, 205, 343, 427
glucose sensors, 604
glucose transport, 554
glucose transporter 1, 541
glucose variability, 624
gluten, 59
gluten-free, 59
glycogenolysis, 438
glycosaminoglycans, 310
growth hormone, 343
growth hormone secretagogues, 343
guidelines, S116

HbA_{1c}, 384
HDL functionality, 64
hemoglobin A_{1C}, 41
heparanase, 413
hepatic glucose output, 438
hispanics, 33
history of medicine, S7
HOMA, 27
Hong Kong, 238
hormone nuclear receptor, 533
HSP70, 64
human adults, 123
human serum protein profiling, 148
hyperglycaemia, 324
hyperglycaemic memory, 301
hyperglycemia, 318
hyperinsulinaemia, 642
hypertension, 364
hypoglycaemia, 87, 247, 257, 353
hypouricemia, 318

IκBα, 93
impaired fasting glucose, 130
impaired glucose tolerance, 563, 611
impairment, S45
implementation, S116
incidence, S14
infant feeding, 211
infection, S25
inflammation, 197, 353, 595
insulin, 3, 74, 257, 331, 343, 486, 604
insulin analogues, 257
insulin resistance, 27, 130, 155, 205, 459, 511, 520, 554, 595, 642
insulin secretion, 155, 392, 511, 611
insulin sensitivity, 27, 33, 123, 378
insulin-dependent diabetes, 486
interdisciplinarity, S106
interleukin-1 receptor antagonist, 378
interleukin-2, 115
interprofessional competence, S106
in vitro, 371
IRS-1, 577
ischaemia, S34
ischaemic foot ulcers, S110
islet arteriole, 165
islet of Langerhans, 165
islets, 585
isoprostanes, 231
isotope dilution, 438
Italy, 364
IWGDF, S116

JAK/STAT, 93

ketosis-prone diabetes, 511
kidney, 331, 404

LADA, 511
LDL particle size, 223
LDL-cholesterol, 465
leprechaunism, 205
leptin, 155
limb salvage, S81
linkage, 93
lipid, 498
L-Lys, 64

99mTc-IL2 scintigraphy, 115
markers of oxidative stress, 103
mass isotopomer distribution analysis (MIDA), 438
MCP-1, 109

Copyright © 2008 John Wiley & Sons, Ltd.

MEF, 404
memory, 247
metabolic control, 472
metabolic syndrome, 52, 520
metabolic triad, 223
metformin, 3, 231
methodology, 438
microbiology, S66
microcirculation, S40
mobility, S45
monocytes, 294
mortality, 624
motivational interview, 192
multidisciplinary team, S72

naive T-cell, 635
nanomedicine, 604
nanoparticles, 604
nephropathy, 498, 549
neuro-ischaemic ulcers, S110
neurogenic inflammation, S40
neuropathic pain, S52
neuropathic ulcers, S110
neuropathy, 173, S40
neuropeptides, S25
NFκB, 93
nicotinamide, 115
nitric oxide, 318
NO, 331
nociception, 642
nocturnal hypoglycaemia, 87
non-linearity, 238
non-obese diabetes, 413
non-obese diabetic (NOD) mice, 59
nuclear magnetic resonance (NMR) spectroscopy, 438

obese, 192
obesity, 364, 498
offloading, S192
OGTT, 123
oral anti-diabetic agents, 257
orthotics, S58
osteomyelitis, S145
osteoprotegerin, S62
oxidative stress, 14, 93, 231, 301, 318, 371

p300, 404
paediatric, 427
pancreas, 165
pancreatic β-cells, 74
PARP, 404
partial remission, 472
pathogenesis, 93, S3
peptides inhibiting PKCε, 577
peripheral artery disease, S110
peripheral neuropathy, 563
persistent microalbuminuria, 570
PIAS, 93
picolinate, 41
pioglitazone, 14
PKC, 331
PKCε, 577
placenta, 465
placental bed, 294
plantar pressure, S90
plasminogen activator inhibitor-1, 141
platelet activation, 231
postural control, S45
postural stability, S96
potassium and C-peptide, 205
pramlintide, 103
pregnancy, 294, 324
prevalence, S14
prevention type 2 diabetes, 611
pro-inflammatory cytokines, S62
prognosis, 238
proinflammatory cytokines, 384
protein folding, 64
protein kinase C zeta gene, 480
protein metabolism, 205
psychology, S101

quality of life, S45
quantitative RT-PCR, 635
QUICKI, 378

randomized control trial, 611
RANKL, S62
RBP4, 629
reactive oxygen species, 392, S25
reconstruction, S81
regeneration, 585
regulatory T-cell, 635
resistance artery remodelling, 651
retina, 404
revascularization, S34
risk factors, 238, 427
risk haplotype, 544
rosiglitazone, 14, 197

scavenger receptor class B type I, 617
SELDI-TOF MS, 148
serine phosphorylation, 577
shared care, S106
single nucleotide polymorphisms, 480
single-molecule, 604
skin, S84
skin foot temperature, S58
small dense LDL, 223
small LDL, 141
small sensory fibre neuropathy, 642
SNP, 544
social status, 211
sRAGE, 109
statin, 286
stiffness and type 2 diabetes, 651
streptozotocin, 64
sulfonylurea, 3
SUMO, 93
sumoylation, 93
surgery, S81
susceptibility, 93
systematic review, S145

T2DM, 544, 549
T helper cells, 635
T-cells activation, 413
teamwork, S106
therapeutic patient education, 192
thiazolidinediones, 3
transcriptional activity, 533
transgenic mice, 486
transthyretin, 148
treatment, S190
triglycerides, 223
type 1, 472
Type 1 diabetes, 115
type 1 diabetes, 59, 74, 87, 318, 511, 635
type 1 diabetes mellitus, 211, 294
type 1 diabetic adolescents and young adults, 570
type 2 diabetes, 103, 137, 197, 231, 238, 257, 286, 384, 392, 511, 554, 595, 624
type 2 diabetes mellitus, 148, 480
type 2 diabetes model, 577
type 2 DM, 52

ulcer, S81
ulceration, S14
uric acid, 629

V-shape, 238
V.A.C., S76
vascular complications, 286, 353
vascular injury, 595
visceral adiposity, 141
vitamin B_1, 371
Vitamin D, 27
von Willebrand factor, 141

waist circumference, 223
weight regain, 123
westernization, 364
women, 520
wound, S188
wound bed preparation, S25
wound healing, S119
wound–bed management, S188

Copyright © 2008 John Wiley & Sons, Ltd.

Contents

Volume 24, Numbers 1–8

Volume 24 Number 1 — January–February 2008

In this Issue 1

Review Articles

Why insulin sensitizers but not secretagogues should be retained when initiating insulin in type 2 diabetes
P. Raskin 3

Thiazolidinediones as anti-inflammatory and anti-atherogenic agents
A. Ceriello 14

Research Articles

Correlation between vitamin D_3 deficiency and insulin resistance in pregnancy
Z. Maghbooli, A. Hossein-nezhad, F. Karimi, A.-R. Shafaei and B. Larijani 27

Relationship of abdominal obesity measured by DXA and waist circumference with insulin sensitivity in Hispanic and non-Hispanic white individuals: The San Luis Valley Diabetes Study
T. L. Nelson, D. H. Bessesen and J. A. Marshall 33

Chromium picolinate and biotin combination improves glucose metabolism in treated, uncontrolled overweight to obese patients with type 2 diabetes
C. A. Albarracin, B. C. Fuqua, J. L. Evans and I. D. Goldfine 41

Adipocytokine profile of type 2 diabetics in metabolic syndrome as defined by various criteria
N. M. Al-Daghri, O. S. Al-Attas, K. Al-Rubeaan and R. Sallam 52

Gluten-free but also gluten-enriched (gluten+) diet prevent diabetes in NOD mice; the gluten enigma in type 1 diabetes
D. P. Funda, A. Kaas, H. Tlaskalová-Hogenová and K. Buschard 59

The improvement effect of L-Lys as a chemical chaperone on STZ-induced diabetic rats, protein structure and function
A. Jafarnejad, S. Z. Bathaie, M. Nakhjavani, M. Z. Hassan and S. Banasadegh 64

Genistein and daidzein prevent diabetes onset by elevating insulin level and altering hepatic gluconeogenic and lipogenic enzyme activities in non-obese diabetic (NOD) mice
M. S. Choi, U. J. Jung, J. Yeo, M. J. Kim and M. K. Lee 74

Feature

Conference Calendar 82

Volume 24 Number 2 — February 2008

In this Issue 85

Review Articles

How hypoglycaemia can affect the life of a person with diabetes
B. M. Frier 87

SUMO4 and its role in type 1 diabetes pathogenesis
C.-Y. Wang and J.-X. She 93

Copyright © 2008 John Wiley & Sons, Ltd.

Research Articles

Pramlintide reduced markers of oxidative stress in the postprandial period in patients with type 2 diabetes
A. Ceriello, C. W. Lush, T. Darsow, L. Piconi, M. Corgnali, N. Nanayakkara, J. P. Frias and D. Maggs 103

Circulating advanced glycation end products (AGEs) and soluble form of receptor for AGEs (sRAGE) are independent determinants of serum monocyte chemoattractant protein-1 (MCP-1) levels in patients with type 2 diabetes
K. Nakamura, S. Yamagishi, H. Adachi, T. Matsui, Y. Kurita-Nakamura, M. Takeuchi, H. Inoue and T. Imaizumi 109

Pancreatic scintigraphy with 99mTc-interleukin-2 at diagnosis of type 1 diabetes and after 1 year of nicotinamide therapy
M. Chianelli, M. G. Parisella, N. Visalli, S. J. Mather, C. D'Alessandria, IMDIAB Study Group, P. Pozzilli and A. Signore 115

Glucose homeostasis predicts weight gain: prospective and clinical evidence
N. G. Boulé, J.-P. Chaput, E. Doucet, D. Richard, J.-P. Després, C. Bouchard and A. Tremblay 123

Impact of lowering the criterion for impaired fasting glucose on identification of individuals with insulin resistance. The GISIR database.
G. Sesti, F. Andreozzi, R. C. Bonadonna, G. De Mattia, F. Leonetti, L. Luzi, M. A. Marini, A. Natali, R. Vettor and E. Bonora on behalf of the Group of Italian Scientists of Insulin Resistance (GISIR) 130

Genetic Study of Saudi Diabetes (GSSD): significant association of the *KCNJ11* E23K polymorphism with type 2 diabetes
O. Alsmadi, K. Al-Rubeaan, S. M. Wakil, F. Imtiaz, G. Mohamed, H. Al-Saud, N. A. Al-Saud, N. Aldaghri, S. Mohammad and B. F. Meyer 137

PAI-1 activity, but not fibrinogen or von Willebrand factor, is inversely related to LDL particle size in type 2 diabetes
I. Mertens, I. Lemieux, A. Verrijken, J.-P. Després and L. F. Van Gaal 141

Serum protein patterns in newly diagnosed type 2 diabetes mellitus – influence of diabetic environment and family history of diabetes
T. Sundsten, C.-G. Östenson and P. Bergsten 148

Free fatty acids as mediators of adaptive compensatory responses to insulin resistance in dexamethasone-treated rats
M. Novelli, A. Pocai, C. Chiellini, M. Maffei and P. Masiello 155

C-peptide constricts pancreatic islet arterioles in diabetic, but not normoglycaemic mice
L. Nordquist, E. Y. Lai, M. Sjöquist, L. Jansson and A. E. G. Persson 165

Feature

Conference Calendar 169

Volume 24 Number 3 March–April 2008

In this Issue

171

Review Articles

Gait characteristics of diabetic patients: a systematic review
L. Allet, S. Armand, A. Golay, D. Monnin, R. A. de Bie and E. D. de Bruin 173

Therapeutic education of diabetic patients
A. Golay, G. Lagger, M. Chambouleyron, I. Carrard and A. Lasserre-Moutet 192

Research Articles

Rosiglitazone increases matrix production and quenches inflammation: studies in human cells
A. Solini, E. Santini, S. Madec, M. Nannipieri, A. Bonotti, S. Cuccato and E. Ferrannini 197

Insulin effect on serum potassium and auto-inhibition of insulin secretion is intact in a patient with leprechaunism despite severe impairment of substrates metabolism
L. Luzi, G. Zoppini, G. Targher, A. Battezzati, M. Muggeo and E. Bonora 205

Early infant feeding and risk of type 1 diabetes mellitus – a nationwide population-based case–control study in pre-school children
J. Rosenbauer, P. Herzig and G. Giani 211

Copyright © 2008 John Wiley & Sons, Ltd.

Hypertriglyceridaemic waist phenotype criteria and prevalent metabolic triad in women
I. F. Gazi, H. J. Milionis, T. D. Filippatos, V. Tsimihodimos, M. S. Kostapanos, M. Doumas, A. D. Tselepis and M. Elisaf 223

Decreased *in vivo* oxidative stress and decreased platelet activation following metformin treatment in newly diagnosed type 2 diabetic subjects
G. Formoso, E. A. De Filippis, N. Michetti, P. Di Fulvio, A. Pandolfi, T. Bucciarelli, G. Ciabattoni, A. Nicolucci, G. Davì and A. Consoli 231

Risk factors in V-shaped risk associations with all-cause mortality in type 2 diabetes – The Hong Kong Diabetes Registry
W. Y. So, X. Yang, R. C. W. Ma, A. P. S. Kong, C. W. K. Lam, C. S. Ho, C. S. Cockram, G. T. C. Ko, C.-C. Chow, V. Wong, P. C. Y. Tong and J. C. N. Chan 238

Moderate hypoglycaemia after learning does not affect memory consolidation and brain activation during recognition in non-diabetic adults
R. E. Warren, A. J. Sommerfield, A. Greve, K. V. Allen, I. J. Deary and B. M. Frier 247

Feature

Conference Calendar 253

Volume 24 Number 4 May–June 2008

In this Issue 255

Review Articles

Impact of therapeutic advances on hypoglycaemia in type 2 diabetes
P. J. Boyle and J. Zrebiec 257

Lipid-lowering therapy in patients with type 2 diabetes: the case for early intervention
A. Steinmetz 286

Research Articles

Intercellular adhesion molecule-1 (ICAM-1) expression is necessary for monocyte adhesion to the placental bed endothelium and is increased in type 1 diabetic human pregnancy
L. Xie, A. Galettis, J. Morris, C. Jackson, S. M. Twigg and E. D. M. Gallery 294

Evaluation of gliclazide ability to attenuate the hyperglycaemic 'memory' induced by high glucose in isolated human endothelial cells
M. Corgnali, L. Piconi, M. Ihnat and A. Ceriello 301

Glycosaminoglycans urinary excretion as a marker of the early stages of diabetic nephropathy and the disease progression
A. Popławska-Kita, B. Mierzejewska-Iwanowska, M. Szelachowska, K. Siewko, A. Nikołajuk, I. Kinalska and M. Górska 310

Hypouricemia linked to an overproduction of nitric oxide is an early marker of oxidative stress in female subjects with type 1 diabetes
D. Pitocco, E. Di Stasio, F. Romitelli, F. Zaccardi, B. Tavazzi, A. Manto, S. Caputo, T. Musella, C. Zuppi, S. A. Santini and G. Ghirlanda 318

Mild gestational hyperglycaemia as a risk factor for metabolic syndrome in pregnancy and adverse perinatal outcomes
C. A. Negrato, L. Jovanovic, M. A. Tambascia, I. de M. P. Calderon, B. Geloneze, A. Dias and M. V. C. Rudge 324

Proinsulin C-peptide abrogates type-1 diabetes-induced increase of renal endothelial nitric oxide synthase in rats
A. Kamikawa, T. Ishii, K. Shimada, K. Makondo, O. Inanami, N. Sakane, T. Yoshida, M. Saito and K. Kimura 331

Feature

Conference Calendar 339

Copyright © 2008 John Wiley & Sons, Ltd.

Volume 24 Number S1 May–June 2008

Introduction

5th International Symposium on the Diabetic Foot
W. H. van Houtum S1

Review Articles

The diabetic foot: grand overview, epidemiology and pathogenesis
A. J. M. Boulton S3

Some historical aspects of diabetic foot disease
H. Connor S7

Amputations and ulceration; pitfalls in assessing incidence
W. H. van Houtum S14

Advanced glycation end products and diabetic foot disease
M. S. P. Huijberts, N. C. Schaper and C. G. Schalkwijk S19

The biology of chronic foot ulcers in persons with diabetes
R. G. Sibbald and K. Y. Woo S25

The diabetic foot in the developing world
N. Unwin S31

Open bypass and endoluminal therapy: complementary techniques for revascularization in diabetic patients with critical limb ischaemia
J. L. Mills Sr S34

Neurovascular control and neurogenic inflammation in diabetes
N. C. Schaper, M. Huijberts and K. Pickwell S40

Neuropathy: mobility and quality of life
C. H. M. van Schie S45

Painful diabetic neuropathy: treatment and future aspects
D. Ziegler S52

Charcot neuro-osteoarthropathy – current standards
N. L. Petrova and M. E. Edmonds S58

Charcot neuro-osteoarthropathy
W. J. Jeffcoate S62

New developments in diagnosing and treating diabetic foot infections
B. A. Lipsky S66

The advantages and disadvantages of non-surgical management of the diabetic foot
F. Game S72

The value of debridement and Vacuum-Assisted Closure (V.A.C.) Therapy in diabetic foot ulcers
M. Eneroth and W. H. van Houtum S76

Diabetic foot surgery: classifying patients to predict complications
N. J. Bevilacqua, L. C. Rogers and D. G. Armstrong S81

Non-ulcerative skin pathologies of the diabetic foot
I. Bristow S84

Foot structure and footwear prescription in diabetes mellitus
S. A. Bus S90

Footwear for the neuropathic patient: offloading and stability
R. van Deursen S96

Education, psychology and 'compliance'
P. E. Price S101

Copyright © 2008 John Wiley & Sons, Ltd.

Interprofessional and transdisciplinary teamwork in health care
A. Vyt S106

The foot in perspective
J. Apelqvist S110

Introduction

The development of global consensus guidelines on the management of the diabetic foot
J. Apelqvist, K. Bakker, W. H. van Houtum and N. C. Schaper on behalf of the International Working Group on the Diabetic Foot (IWGDF) Editorial Board S116

Review Articles

A systematic review of the effectiveness of interventions to enhance the healing of chronic ulcers of the foot in diabetes
R. J. Hinchliffe, G. D. Valk, J. Apelqvist, D. G. Armstrong, K. Bakker, F. L. Game, A. Hartemann-Heurtier, M. Löndahl, P. E. Price, W. H. van Houtum and W. J. Jeffcoate S119

Diabetic foot osteomyelitis: a progress report on diagnosis and a systematic review of treatment
A. R. Berendt, E. J. G. Peters, K. Bakker, J. M. Embil, M. Eneroth, R. J. Hinchliffe, W. J. Jeffcoate, B. A. Lipsky, E. Senneville, J. Teh and G. D. Valk S145

The effectiveness of footwear and offloading interventions to prevent and heal foot ulcers and reduce plantar pressure in diabetes: a systematic review
S. A. Bus, G. D. Valk, R. W. van Deursen, D. G. Armstrong, C. Caravaggi, P. Hlaváček, K. Bakker and P. R. Cavanagh S162

Guidelines

Practical guidelines on the management and prevention of the diabetic foot
J. Apelqvist, K. Bakker, W. H. van Houtum and N. C. Schaper on behalf of the International Working Group on the Diabetic Foot (IWGDF) Editorial Board S181

Specific guidelines on wound and wound-bed management
R. J. Hinchliffe, G. D. Valk, J. Apelqvist, D. G. Armstrong, K. Bakker, F. L. Game, A. Hartemann-Heurtier, M. Löndahl, P. E. Price, W. H. van Houtum and W. J. Jeffcoate S188

Specific guidelines for treatment of diabetic foot osteomyelitis
A. R. Berendt, E. J. G. Peters, K. Bakker, J. M. Embil, M. Eneroth, R. J. Hinchliffe, W. J. Jeffcoate, B. A. Lipsky, E. Senneville, J. Teh and G. D. Valk S190

Specific guidelines on footwear and offloading
S. A. Bus, G. D. Valk, R. W. van Deursen, D. G. Armstrong, C. Caravaggi, P. Hlaváček, K. Bakker and P. R. Cavanagh S192

Volume 24 Number 5 July–August 2008

In this Issue 341

Review Articles

Ghrelin: a new peptide regulating the neurohormonal system, energy homeostasis and glucose metabolism
P. Pusztai, B. Sarman, E. Ruzicska, J. Toke, K. Racz, A. Somogyi and Z. Tulassay 343

Vascular disease and diabetes: is hypoglycaemia an aggravating factor?
R. J. Wright and B. M. Frier 353

Research Articles

Westernization of the Filipino population resident in Rome: obesity, diabetes and hypertension
U. V. Gentilucci, A. Picardi, S. Manfrini, Y. M. Khazrai, E. Fioriti, M. Altomare, C. Guglielmi, E. Di Stasio and P. Pozzilli 364

Benfotiamine exhibits direct antioxidative capacity and prevents induction of DNA damage *in vitro*
U. Schmid, H. Stopper, A. Heidland and N. Schupp 371

Copyright © 2008 John Wiley & Sons, Ltd.

Levels of adiponectin, C-reactive protein and interleukin-1 receptor antagonist are associated with insulin sensitivity: a population-based study
J. Saltevo, M. Laakso, J. Jokelainen, S. Keinänen-Kiukaanniemi, E. Kumpusalo and M. Vanhala 378

Improvement of cardiovascular risk factors in patients with type 2 diabetes after long-term continuous subcutaneous insulin infusion
Y.-H. Noh, S.-M. Lee, E.-J. Kim, D.-Y. Kim, H. Lee, J.-H. Lee, J.-H. Lee, S.-Y. Park, J.-H. Koo, J.-H. Wang, I.-J. Lim and S.-B. Choi 384

Mutated ATP synthase induces oxidative stress and impaired insulin secretion in β-cells of female BHE/cdb rats
M. C. Saleh, Z. Fatehi-Hassanabad, R. Wang, R. Nino-Fong, D. W. Wadowska, G. M. Wright, M.-E. Harper and C. B. Chan 392

PARP activation and the alteration of vasoactive factors and extracellular matrix protein in retina and kidney in diabetes
B. Xu, J. Chiu, B. Feng, S. Chen and S. Chakrabarti 404

Heparanase prevents the development of type 1 diabetes in non-obese diabetic mice by regulating T-cell activation and cytokines production
M. Bitan, L. Weiss, M. Zeira, S. Reich, O. Pappo, I. Vlodavsky and S. Slavin 413

Feature

Conference Calendar 422

Volume 24 Number 6 September 2008

In this Issue 425

Review Articles

Impaired glucose regulation and type 2 diabetes in children and adolescents
K. Kempf, W. Rathmann and C. Herder 427

Regulation of hepatic glucose production and the role of gluconeogenesis in humans: is the rate of gluconeogenesis constant?
F. Q. Nuttall, A. Ngo and M. C. Gannon 438

Research Articles

1,25-Dihydroxyvitamin D improved the free fatty-acid-induced insulin resistance in cultured C2C12 cells
Q. G. Zhou, F. F. Hou, Z. J. Guo, M. Liang, G. B. Wang and X. Zhang 459

Increased LDL cholesterol and CRP in infants of mothers with type 1 diabetes
M. L. S. Lindegaard, E. M. M. Svarrer, P. Damm, E. R. Mathiesen and L. B. Nielsen 465

Clinical manifestations and beta cell function in Swedish diabetic children have remained unchanged during the last 25 years
M. Nordwall and J. Ludvigsson 472

Genetic variants in protein kinase C zeta gene and type 2 diabetes risk: a case-control study of a Chinese Han population
L. Qin, L. Zhou, X. Wu, J. Cheng, J. Wang, Y. Du, J. Hu, M. Shen and J. Zhou 480

A novel model of insulin-dependent diabetes with renal and retinal lesions by transgenic expression of CaMKIIα (Thr286Asp) in pancreatic β-cells
I. Kato, T. Oya, H. Suzuki, K. Takasawa, A. M. Ichsan, S. Nakada, Y. Ishii, Y. Shimada, M. Sasahara, K. Tobe, S. Takasawa, H. Okamoto and K. Hiraga 486

Increased renal collagen cross-linking and lipid accumulation in nephropathy of Zucker diabetic fatty rats
Y. Li, Y. Qi, M. S. Kim, K. Z.-Y. Xu, T. H.-W. Huang, X. Rong, M. Murray and J. Yamahara 498

Feature

Conference Calendar 507

Copyright © 2008 John Wiley & Sons, Ltd.

Volume 24 Number 7 October 2008

In this Issue 509

Review Articles

Diabetes classification: grey zones, sound and smoke: Action LADA 1
R. D. G. Leslie, H. Kolb, N. C. Schloot, R. Buzzetti, D. Mauricio, A. De Leiva, K. Yderstraede, C. Sarti, C. Thivolet, D. Hadden, S. Hunter, G. Schernthaner, W. Scherbaum, R. Williams and P. Pozzilli 511

Effects of androgens on insulin action in women: is androgen excess a component of female metabolic syndrome?
A. Corbould 520

Research Articles

Expression of HNF4α variants in pancreatic islets and Ins-1 β cells
J. Huang, V. Karakucuk, L. L. Levitsky and D. B. Rhoads 533

Association of glucose transporter 1 polymorphisms with type 2 diabetes in the Tunisian population
K. Makni, F. Mnif, M. Boudawara, N. Hamza, N. Rekik, M. Abid, A. Rebaï, F. Jarraya, C. Granier and H. Ayadi 544

Plasma glycooxidation protein products in type 2 diabetic patients with nephropathy
A. Piwowar, M. Knapik-Kordecka, J. Szczecińska and M. Warwas 549

Globular adiponectin stimulates glucose transport in type 2 diabetic muscle
H. Kuoppamaa, P. Skrobuk, M. Sihvo, A. Hiukka, A. V. Chibalin, J. R. Zierath and H. A. Koistinen 554

Evaluation of peripheral and autonomic neuropathy among patients with newly diagnosed impaired glucose tolerance
B. Isak, B. Oflazoğlu, T. Tanrıdag, I. Yitmen and O. Us 563

Increased concentrations of soluble CD40 ligand may help to identify type 1 diabetic adolescents and young adults at risk for developing persistent microalbuminuria
F. Chiarelli, C. Giannini, A. Verrotti, A. Mezzetti and A. Mohn 570

Prevention of insulin resistance and beta-cell loss by abrogating PKCε-induced serine phosphorylation of muscle IRS-1 in *Psammomys obesus*
E. Mack, E. Ziv, H. Reuveni, R. Kalman, M. Y. Niv, A. Jörns, S. Lenzen and E. Shafrir 577

Bone marrow or foetal liver cells fail to induce islet regeneration in diabetic Akita mice
T. Akashi, H. Shigematsu, Y. Hamamoto, H. Iwasaki, S. Yatoh, S. Bonner-Weir, K. Akashi and G. C. Weir 585

Feature

Conference Calendar 591

Volume 24 Number 8 November 2008

In this Issue 593

Review Articles

Inflamed adipose tissue, insulin resistance and vascular injury
C. X. Andersson, B. Gustafson, A. Hammarstedt, S. Hedjazifar and U. Smith 595

Nanomedicine and its potential in diabetes research and practice
J. C. Pickup, Z.-L. Zhi, F. Khan, T. Saxl and D. J. S. Birch 604

Research Articles

A study of the effects of acarbose on glucose metabolism in patients predisposed to developing diabetes: the Dutch acarbose intervention study in persons with impaired glucose tolerance (DAISI)
G. Nijpels, W. Boorsma, J. M. Dekker, P. J. Kostense, L. M. Bouter and R. J. Heine 611

Copyright © 2008 John Wiley & Sons, Ltd.

Cellular cholesterol efflux to serum is impaired in diabetic nephropathy
H. Zhou, K. C. B. Tan, S. W. M. Shiu and Y. Wong 617

Variability of body weight, pulse pressure and glycaemia strongly predict total mortality in elderly type 2 diabetic patients. The Verona Diabetes Study
G. Zoppini, G. Verlato, G. Targher, E. Bonora, M. Trombetta and M. Muggeo 624

Elevated serum retinol-binding protein 4 concentrations are associated with renal dysfunction and uric acid in type 2 diabetic patients
Y.-H. Chang, K.-D. Lin, C.-L. Wang, M.-C. Hsieh, P.-J. Hsiao and S.-J. Shin 629

Poor *in vitro* induction of FOXP3 and ICOS in type 1 cytokine environment activated T-cells from children with type 1 diabetes
J. Honkanen, S. Skarsvik, M. Knip and O. Vaarala 635

Time course of pain sensation in rat models of insulin resistance, type 2 diabetes, and exogenous hyperinsulinaemia
K. Sugimoto, I. B. Rashid, K. Kojima, M. Shoji, J. Tanabe, N. Tamasawa, T. Suda and M. Yasujima 642

Role of elevated EGFR phosphorylation in the induction of structural remodelling and altered mechanical properties of resistance artery from type 2 diabetic mice
D. I. Palen and K. Matrougui 651

Features

Conference Calendar 657

List of Reviewers 659

Author Index 660

Keywords Index 662

Volume Contents iii

Copyright © 2008 John Wiley & Sons, Ltd.